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Feb 25, 1992

PUB-NO: JP404057234A

DOCUMENT-IDENTIFIER: JP 04057234 A

TITLE: METHOD AND DEVICE FOR ALIGNING OPTICAL DISK SUBSTRATES

PUBN-DATE: February 25, 1992

### INVENTOR-INFORMATION:

NAME

COUNTRY

YOSHIKAWA, TOSHIAKI

### ASSIGNEE-INFORMATION:

NAME

COUNTRY

JAPAN STEEL WORKS LTD:THE

APPL-NO: JP02163457

APPL-DATE: June 21, 1990

US-CL-CURRENT: 369/272

INT-CL (IPC): G11B 7/26

### ABSTRACT:

PURPOSE: To align two optical disk substrates with high accuracy by dividing a dividing shaft member, which is inserted to the central hole of the substrate, into divided shaft members divided in a radial direction and making these members relatively movable in the radial direction each other.

CONSTITUTION: A substrate 2 directing the adhesive agent face downward is fitted to an upper jig 6, and a substrate 4 directing the adhesive agent face upward is fitted to a lower jig 8. When the upper jig 6 is pushed up while moving a movable board 72 downward, a bottom part 6c of a hole 6a gets contact with shaft parts 18c and 20c and divided shaft members 18 and 20 are pushed downward. On the other hand, they are guided to a slope 24a of a guiding member 24 and moved in a direction to be separated each other against the inner force of a holding spring 32. When the diameter of a circumscribed circle A is coincident with a diameter for the hole 12a of a center hub 12 and a hole 14a of a center hub 14, both the shaft parts 18c and 20c are stopped in contact with the inner diameter part of the both holes 12a and 14a. Thus, two substrates can be aligned with high accuracy.

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ASCI - [Untitled1]

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Drafts  
Pending  
Active  
L1: (88898) (optical adjl disc).ab,ti.  
L2: (3624) (storage adjl disc).ab,ti.  
L3: (92239) 11 or 12  
L4: (2328) partially adjl cure  
L5: (3) 13 and 14  
L6: (23) provisionally adjl bond  
L7: (92) provisionally adjl bonded  
L8: (45) provisionally adjl bonding  
L9: (127) 16 or 17 or 18  
L10: (5) 13 and 19  
L11: (7960) partially adjl cured  
L12: (1884) partially adjl curing  
L13: (8676) 111 or 112  
L14: (13) 13 and 113  
L15: (168) warping adjl prevent\$  
L16: (6) 13 and 115  
L17: (6185) warp with prevent\$  
L18: (6729) warping with prevent\$  
L19: (12281) 117 or 118  
L20: (128) 13 and 119  
Failed  
Saved  
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UDC  
Queue  
Trash

USPAT, US-PG-PUB, EPO, JPO, DERIVENT, IBM, TDS  
Default operator: DA  
13 and 119

09/ 887082

ASCI term ISI term Map Text HTML

Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P	NUM

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AS1 - [Untitled1-1]

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L2: (66047) centering.ab.ti.  
L3: (64234) aligning.ab.ti.  
L4: (128892) 12 or 13  
L5: (731) 11 and 14  
L6: (1222776) hole.ab.ti.  
L7: (193) 15 and 16  
L8: (490465) pin.ab.ti.  
L9: (35) 15 and 18  
Failed  
Saved  
Favorites  
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Queue  
Trash

DBs: USPAT, USPPUB, EPO, JPO, DERVENT, BM, TOS  
Default operator: DR

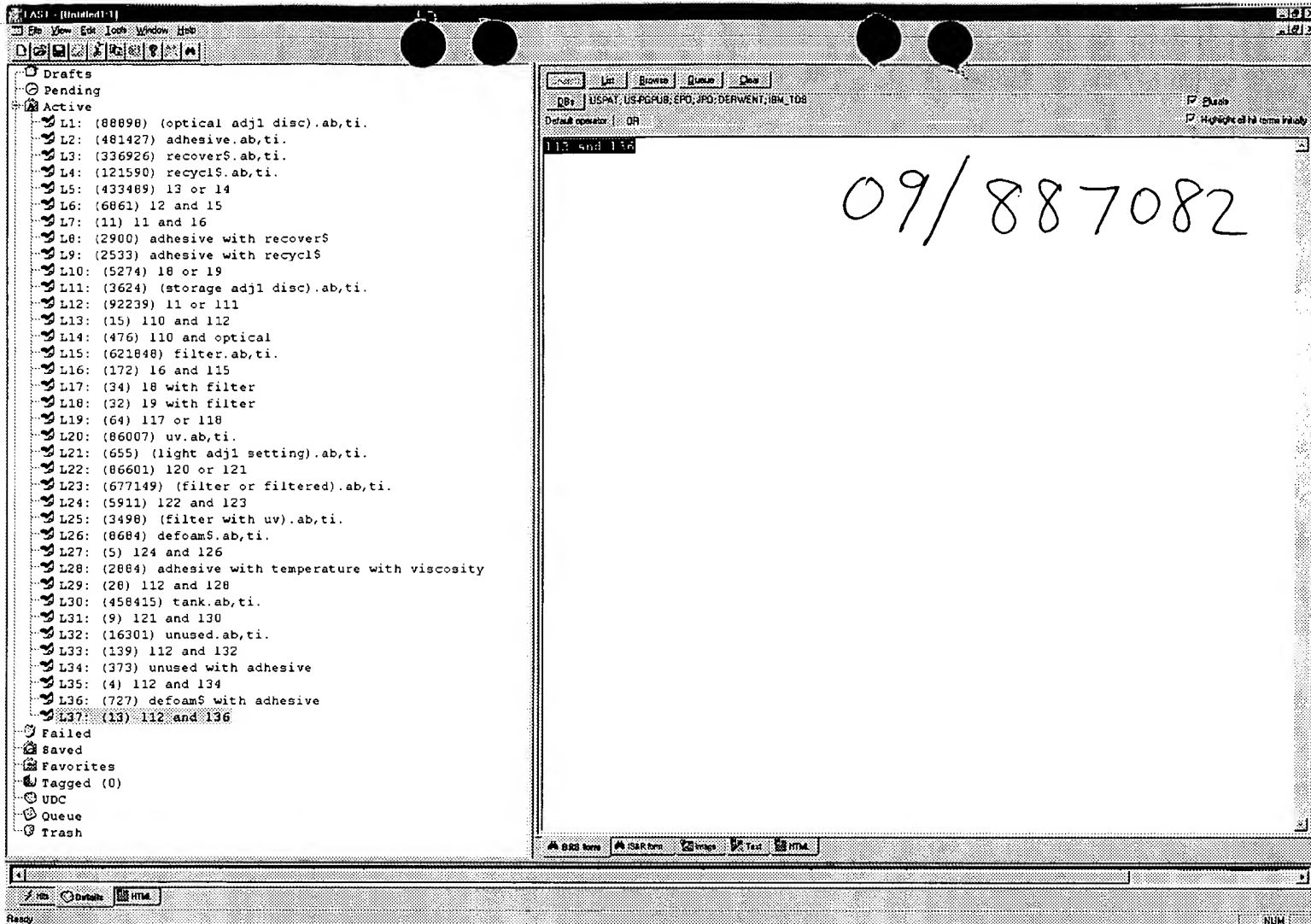
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AS1 form SAR form Image Text HTML

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